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Alicia J. Hager, Reg. No. P-44,140

Date

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GP 1632
PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

In re Application of

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Ivarie et al.

MAIL ROOM
SERVICE CENTER

Serial No: 09/173,864

: Group Art Unit: 1632

Filed: October 16, 1998

: Examiner: Not assigned

For: NOVEL VECTORS IN AVIAN TRANSGENESIS

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

TRANSMITTAL LETTER FOR INFORMATION DISCLOSURE STATEMENT

Transmitted herewith for filing in the above-entitled patent application is an Information Disclosure Statement, in compliance with 37 CFR 1.97, with referenced documents **1 through 66**. Also included is a return postcard.

- [X] The Information Disclosure Statement is being submitted: (a) within three months of the filing date, or (b) before the mailing date of the first Office action on the merits. **Therefore, no fee is due under 37 CFR 1.97(b).**
- [] The Information Disclosure Statement is submitted more than three months after the filing date and after the mailing date of the first Office action on the merits, but, before a final action under § 1.113 or a notice of allowance under § 1.311. Applicant(s)' attorney hereby certifies under 37 CFR 1.97(e)(1) that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office on a counterpart foreign application not more than three months prior to the filing of the Statement. **Therefore, no fee is due under 37 CFR 1.97(c).**
- [] The Information Disclosure Statement is submitted more than three months after the filing date and after the mailing date of the first Office action on the merits, but, before a final action under § 1.113 or a notice of allowance under § 1.311. Applicant(s)' attorney hereby certifies under 37 CFR 1.97(e)(2) that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a foreign counterpart application, or, to the undersigned Attorney's knowledge after making reasonable inquiry, was known to any person designated in

§1.56(c) more than three months prior to the filing of the Statement. **Therefore, no fee is due under 37 CFR 1.97(c).**

Deposit Account Authorization

- ☐ The Information Disclosure Statement is submitted more than three months after the filing date and after the mailing date of the first Office action on the merits, but, before a final action under § 1.113 or a notice of allowance under § 1.311, without certification under 37 CFR 1.97(e). **Therefore, only if this entry is checked in the left margin, the \$240.00 fee set forth in §1.17(p) is authorized below.**
- ☐ The Information Disclosure Statement is submitted after the mailing date of a final action under § 1.113 or a notice of allowance under § 1.311, but before payment of the issue fee.
- ☐ Applicant(s)' attorney hereby certifies under 37 CFR 1.97(e)(1) that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office on a counterpart foreign application not more than three months prior to the filing of the Statement.
- ☐ Applicant(s)' attorney hereby certifies under 37 CFR 1.97(e)(2) that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a foreign counterpart application, or, to the undersigned Attorney's knowledge after making reasonable inquiry, was known to any person designated in §1.56(c) more than three months prior to the filing of the Statement.
- Applicant(s) hereby petition requesting consideration of the Information Disclosure Statement. **Therefore, only if this entry is checked in the left margin, the \$240.00 petition fee set forth in § 1.17(i)(1) is authorized below.**
- ☐ Please charge \$_____ to Deposit Account No. _____.
- ☒ The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 08-1641. This is not, however, an authorization to pay the issue fee. A duplicate of this document is enclosed.

Respectfully submitted,



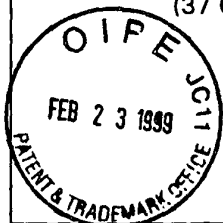
Alicia J. Hager
Reg. No. P-44,140

Date: February 17, 1999

Heller Ehrman White & McAuliffe
525 University Avenue
Palo Alto, California 94301-1900
(650) 324-7143

INFORMATION DISCLOSURE STATEMENT

(37 C.F.R. 1.56, 1.97, and 1.98)



SHEET 1 OF 5

ATTORNEY DOCKET

24011-0002

APPLICATION NO.

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U.S. PATENT DOCUMENTS

† EX'R INITIAL	* REF. #	PATENT NUMBER	DATE (MO/YR)	NAME	U.S. CLASS/ SUBCLASS	FILING DATE (if appropriate)
SK	1	4,959,317	09/90	Sauer	435/172.3	
SK	2	4,997,763	03/91	Hughes et al.	435/172.3	
SK	3	5,162,215	11/92	Bosselman et al.	435/172.3	
SK	4	5,304,489	04/94	Rosen	435/320.1	
SK	5	5,378,618	01/95	Sternberg et al.	435/172.3	
SK	6	5,464,764	11/95	Capecchi et al.	435/172.3	
SK	7	5,487,992	01/96	Capecchi et al.	435/172.3	
SK	8	5,677,177	10/97	Wahl et al.	435/325	
SK	9	5,741,957	04/98	Deboer et al.	800/2	

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† EX'R INITIAL	* REF. #	PATENT NUMBER	DATE (MO/YR)	COUNTRY	TRANSLATION (YES/NO)
SK	10	WO 90/11355	10/90	PCT	NO
SK	11	O 424 027 A1	04/91	EPO	NO
SK	12	O 424 044 A1	04/91	EPO	NO
SK	13	WO 94/20608	09/94	PCT	NO
SK	14	WO 97/47739	12/97	PCT	NO
SK	15	WO 98/01027	01/98	PCT	NO

OTHER DOCUMENTS

† EX'R INITIAL	* REF. #	CITATION (Author, Article Title, Journal/Book Title, Date, Pertinent Pages, etc.)
SK	16	Allioli et al., "Use of retroviral vectors to introduce and express the β -galactosidase marker gene in cultured chicken primordial germ cells," <i>Developmental Biology</i> , 165:30-37 (1994).
SK	17	Archer et al., "Human growth hormone (hGH) secretion in milk of goats after direct transfer of the hGH gene into the mammary gland by using replication-defective retrovirus vectors," <i>Proc. Natl. Acad. Sci. USA</i> , 91:6840-6844 (1994).

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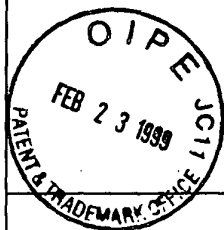
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INFORMATION DISCLOSURE STATEMENT

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SL	18	Bayley et al., "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site-specific recombination system," <i>Plant Molecular Biology</i> , 18:353-361 (1992).
SL	19	Beato, M., "Gene regulation by steroid hormones," <i>Cell</i> , 56:335-344 (1989).
SL	20	Bonifer et al., "Tissue specific and position independent expression of the complete gene domain for chicken lysozyme in transgenic mice," <i>The EMBO Journal</i> , 9:2843-2848 (1990).
SL	21	Bosselman et al., "Germline transmission of exogenous genes in the chicken," <i>Science</i> , 243:533-535 (1989).
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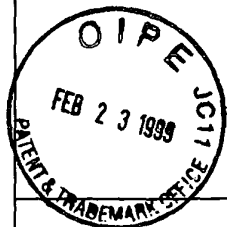
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Sh	31	Dugaiczky et al., "The ovalbumin gene: cloning and molecular organization of the entire natural gene," <i>Proc. Natl. Acad. Sci. USA</i> , 76:2253-2257 (1979).
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Sh	43	Logie et al., "Ligand-regulated site-specific recombination," <i>Proc. Natl. Acad. Sci. USA</i> , 92:5940-5944 (1995).
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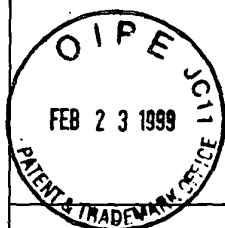
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SL	57	Rucker et al., "Cre-mediated recombination at the murine whey acidic protein (mWAP) locus," <i>Molecular Reproduction and Development</i> , 48:324-331 (1997).

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Samuel H. H. H.

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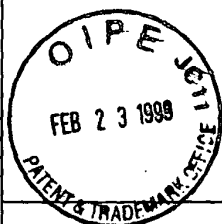
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SL	58	Sanders et al., "Positive and negative regulatory elements control the steroid-responsive ovalbumin promoter," <i>Biochemistry</i> , 27:6550-6557 (1988).
SL	59	Sauer, B., "Manipulation of transgenes by site-specific recombination: use of cre recombinase," <i>Methods in Enzymology</i> , 225:890-900 (1993).
SL	60	Schweers et al., "A protein with a binding specificity similar to NF- κ B binds to a steroid-dependent regulatory element in the ovalbumin gene," <i>The Journal of Biological Chemistry</i> , 266:10490-10497 (1991).
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SL	62	Uyeda et al., "Cloning and sequencing of hen magnum cDNAs encoding vitelline membrane outer layer protein I (VMO-I)," <i>Gene</i> , 144:311-312 (1994).
SL	63	Vick et al., "Transgenic birds from transformed primordial germ cells," <i>Proc. R. Soc. Lond. B</i> , 179-183 (1993).
SL	64	Yee et al., "Generation of high-titer pseudotyped retroviral vectors with very broad host range," <i>Methods in Cell Biology</i> , 43:99-112 (1994).
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SL	66	Zolotukhin et al., "A "humanized" green fluorescent protein cDNA adapted for high-level expression in mammalian cells," <i>Journal of Virology</i> , 70:4646-4654 (1996).

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